

IN THE CLAIMS

1. (Currently Amended) A ~~computer implemented~~ complexity indicator ~~(121)~~ having instructions ~~for evaluating~~ to evaluate the complexity of a user interface that has device class specific representations ~~(301,302)~~, each device class specific representation ~~(301,302)~~ referring to a respective device class ~~(DC1, DC2)~~ and having a respective layout component hierarchy ~~(321, 322)~~;

the complexity indicator ~~(121)~~ comprising:

a library ~~(121-1)~~ having complexity evaluation functions ~~(EF5-DC1, EF5-DC2, EF6-DC1, EF6-DC2)~~ ~~for determining~~ to determine complexity values of layout components ~~(1 to 9)~~ of the respective layout component hierarchies ~~(321,322)~~, where each complexity evaluation function ~~(EF5-DC1, EF5-DC2, EF6-DC1, EF6-DC2)~~ is associated with the layout component ~~(5,6)~~ to which it is applied; and

~~means an aggregator for aggregating~~ to aggregate the complexity values by device class according to the corresponding layout component hierarchy ~~(321,322)~~ of the respective device class specific representation ~~(301,302)~~.

2. (Currently Amended) The complexity indicator of claim 1, further comprising:

a transformer ~~(121-3)~~ ~~for transforming~~ to transform the layout component hierarchy ~~(321,322)~~ of each representation ~~(301,302)~~ into a corresponding complexity evaluation hierarchy ~~(521,522)~~ so that the association of each evaluation function ~~(EF5-DC1, EF5-DC2, EF6-DC1, EF6-DC2)~~ with its respective layout component ~~(5,6)~~ is redirected through the corresponding component ~~(e5, e6)~~ of the respective complexity evaluation hierarchy ~~(521,522)~~ and the evaluation function is applied to the corresponding component ~~(e5, e6)~~ of the respective complexity evaluation hierarchy ~~(521,522)~~.

3. (Currently Amended) The complexity indicator of claim 1 ~~or 2~~, further comprising:

a complexity display-(121-2) ~~for visualizing to visualize~~ the aggregate complexity values by device class.

4. (Currently Amended) The complexity indicator of claim 3, wherein the complexity display-(121-2) has a drill down portion-(121-2') ~~for visualizing to visualize~~ complexity values of layout components-(2,4,7) related to a selected device class-(DC2).
5. (Currently Amended) The complexity indicator of claim 4 in combination with a tree-based outline editor-(109) ~~for generating to generate~~ an outline view-(322) of the representation-(302) that corresponds to the selected device class-(DC2) configured to highlight a layout component that is selected in the complexity display-(121-2) for drill down purposes.
6. (Currently Amended) A ~~computer implemented~~ method for complexity evaluation of a user interface, comprising the steps of:
 - receiving-(430) device class specific representations-(301,302) of the user interface, ~~wherein~~ each device class specific representation-(301,302) ~~refers~~ referring to a respective device class-(DC1, DC2);
 - determining complexity values of layout components-(1 to 9) of the device class specific representations-(301,302) by applying complexity evaluation functions-(EF5-DC1, EF5-DC2, EF6-DC1, EF6-DC2) that are associated with respective layout components-(5,6); and
 - aggregating the complexity values by device class according to a corresponding layout component hierarchy-(321, 322) of the respective device class specific representation-(301,302).
7. (Currently Amended) The method of claim 6, further comprising the step of:

transforming the layout component hierarchy ~~(321, 322)~~ of each representation ~~(301, 302)~~ into a corresponding complexity evaluation hierarchy ~~(521, 522)~~ so that the association of each evaluation function ~~(EF5-DC1, EF5-DC2, EF6-DC1, EF6-DC2)~~ with its respective layout component ~~(5, 6)~~ is redirected through the corresponding component ~~(e5, e6)~~ of the respective complexity evaluation hierarchy ~~(521, 522)~~ and the evaluation function is applied to the corresponding component ~~(e5, e6)~~ of the respective complexity evaluation hierarchy ~~(521, 522)~~.

8. (Currently Amended) The method of claim 6 ~~or 7~~, further comprising ~~the step of~~:

visualizing the aggregate complexity values by device class.

9. (Currently Amended) The method of claim 8, wherein the visualizing ~~step~~ comprises:

visualizing complexity values of layout components ~~(2, 4, 7)~~ related to a selected device class ~~(DC2)~~ in a drill down portion ~~(121-2)~~.

10. (Currently Amended) A computer system having at least one computing device configured to run an integrated development environment ~~(999)~~ that ~~comprises~~ includes a complexity indicator ~~(121)~~ according to claim 1 ~~any one of the claims 1 to 4~~.

11. (Canceled)

12. (New) A machine-readable medium storing a complexity indicator according to claim 1.